

Figure 1A

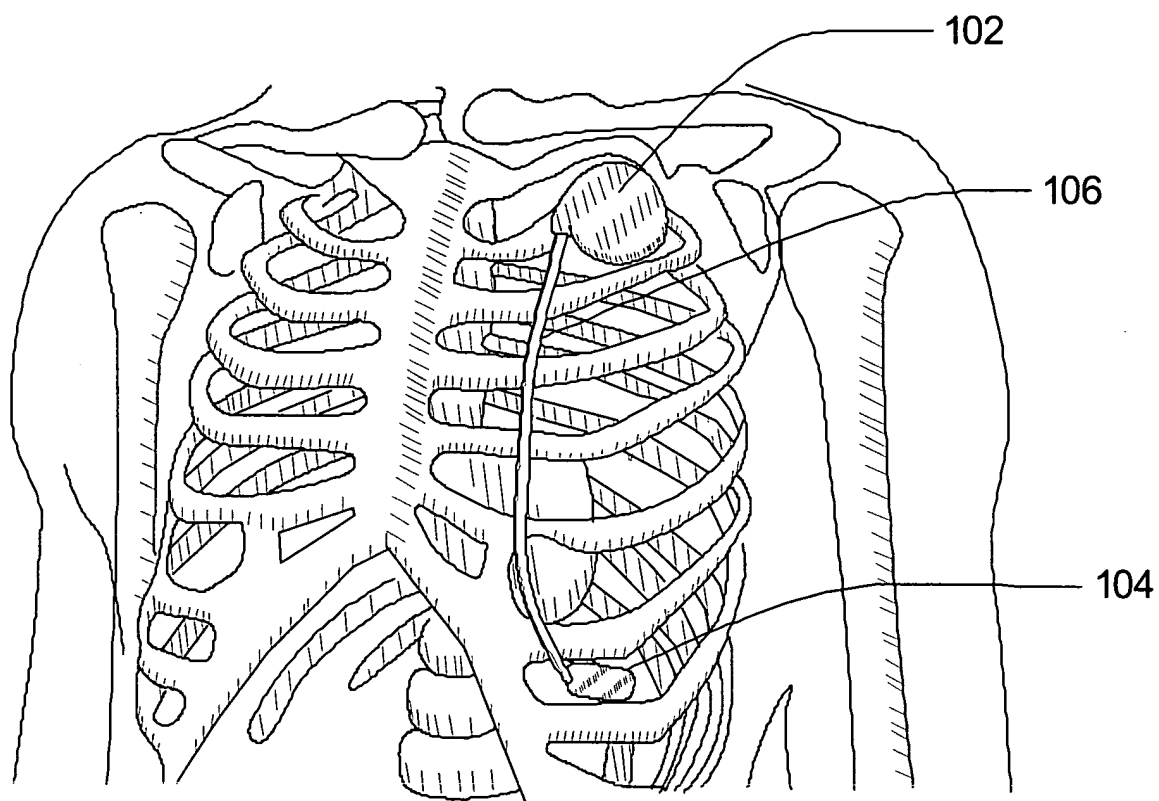


Figure 1B

The diagram illustrates a system for monitoring and controlling a subcutaneous electrode. The system includes the following components and their interconnections:

- 202 Detection Circuitry**: Connected to **203 Noise Reduction Circuitry** and **204 Sensing Circuitry** via bidirectional dashed lines.
- 203 Noise Reduction Circuitry**: Connected to **204 Sensing Circuitry** via a bidirectional dashed line.
- 204 Sensing Circuitry**: Receives input from **212 Sensors(s)** and provides output to **210 Diagnostics Circuitry** and **205 Control System**.
- 210 Diagnostics Circuitry**: Provides output to **205 Control System**.
- 205 Control System**: A dashed box containing **206 Micro-Processor** and **209 Memory**. It is connected to **220 Power Source** via a bidirectional arrow and to **216 Shock Therapy Circuitry** via a dashed line.
- 220 Power Source**: Connected to **205 Control System** via a bidirectional arrow.
- 216 Shock Therapy Circuitry**: Provides output to **214 Subcutaneous Electrode(s)** and **207 Can/Indifferent Electrode** via a dashed line.
- 214 Subcutaneous Electrode(s)**: Provides output to **207 Can/Indifferent Electrode** via a dashed line.
- 207 Can/Indifferent Electrode**: Provides output to **218 Communications Circuitry** via a dashed line.
- 218 Communications Circuitry**: Connected to **205 Control System** via a bidirectional arrow.
- 230 Pacing Therapy Circuitry**: A dashed box that receives input from **205 Control System** and provides output to **207 Can/Indifferent Electrode** via a dashed line.

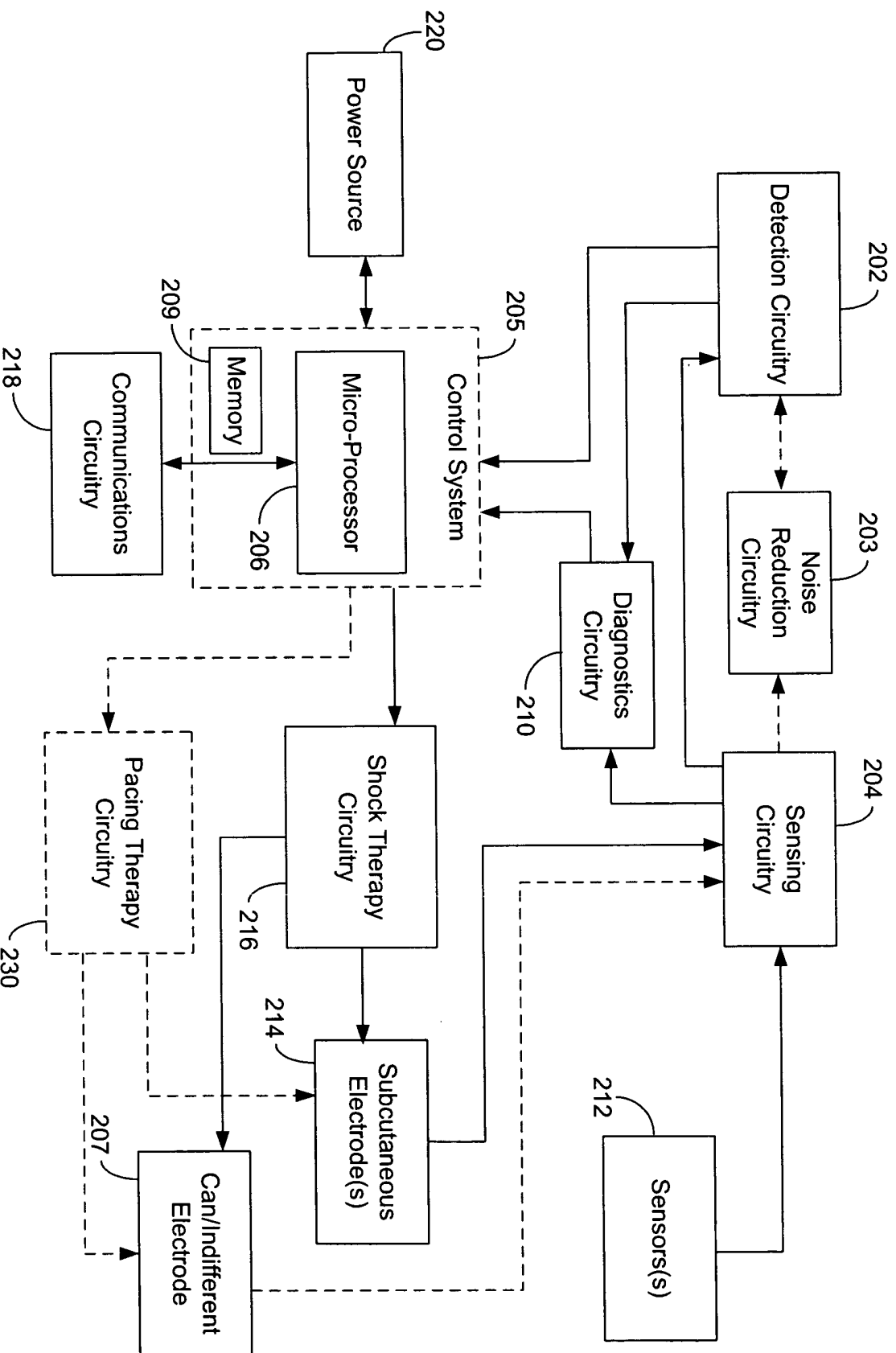


Figure 1D

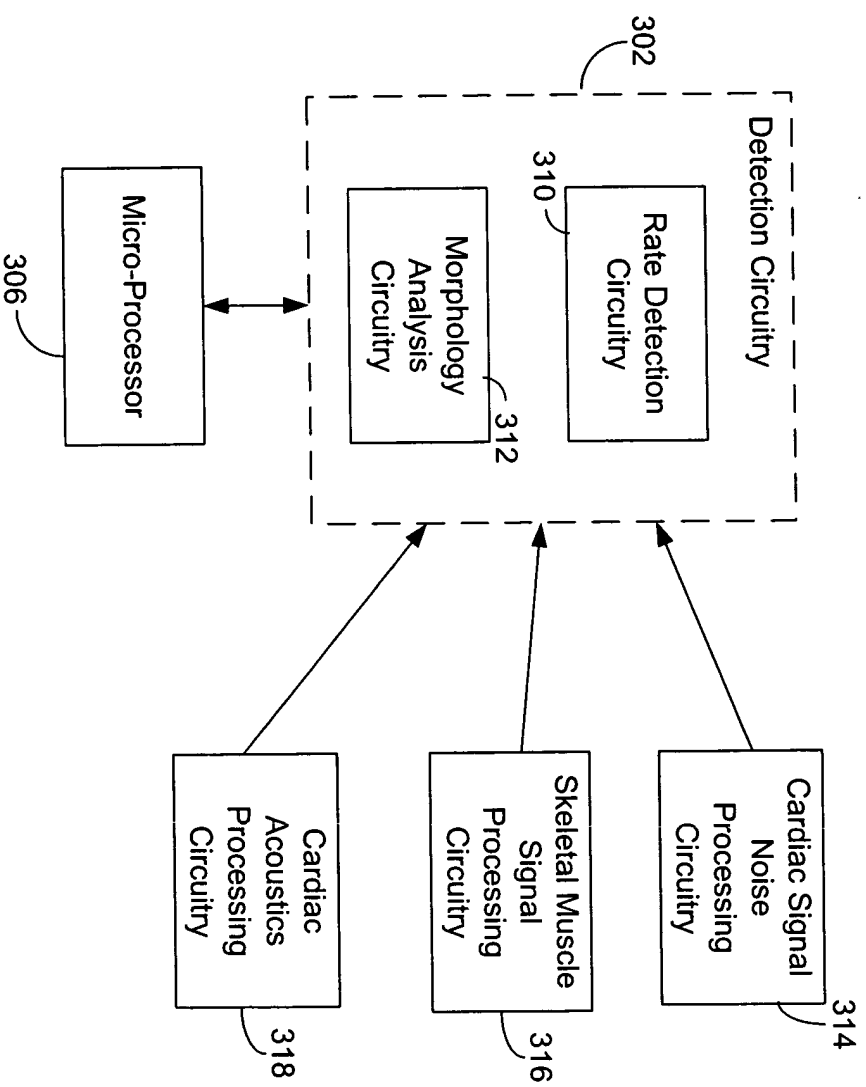


Figure 2A

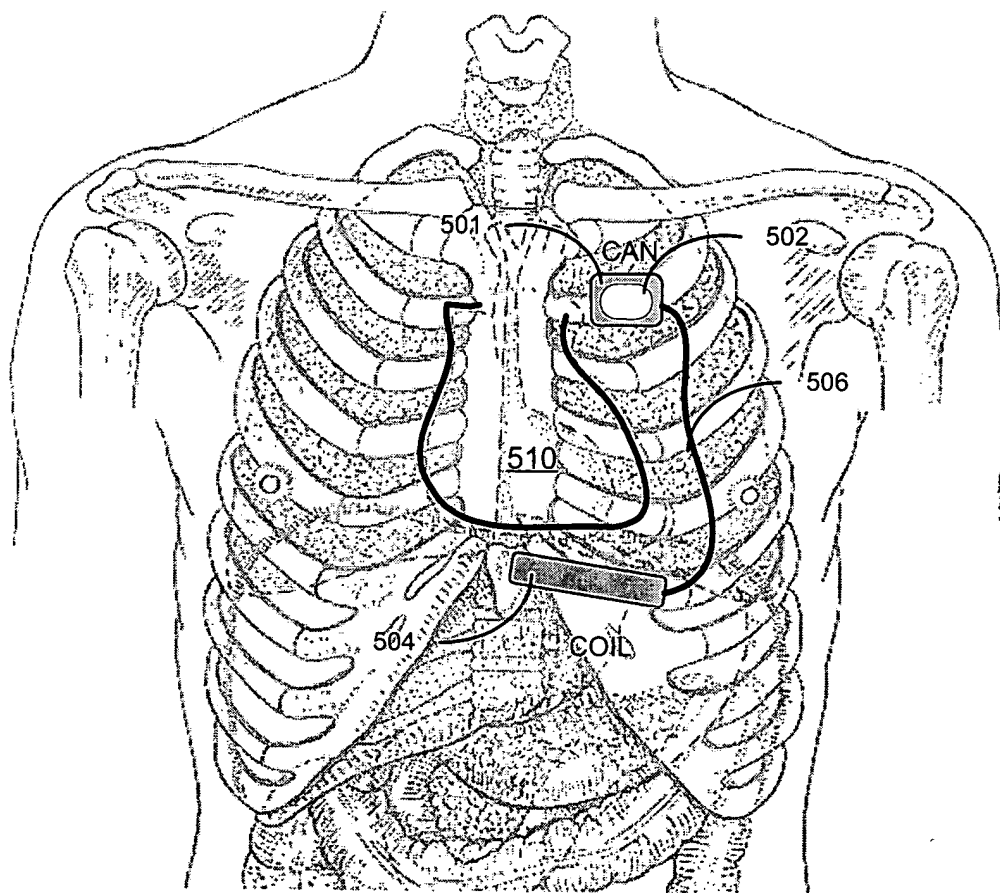


Figure 2B

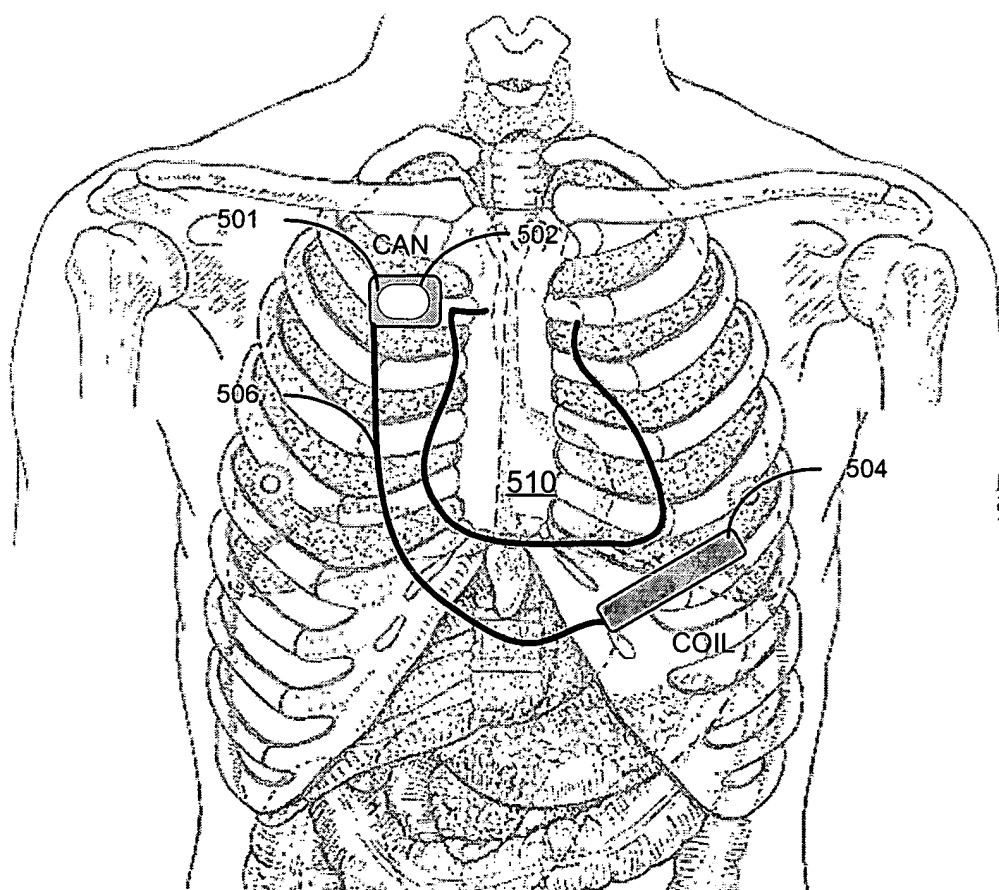


Figure 2C

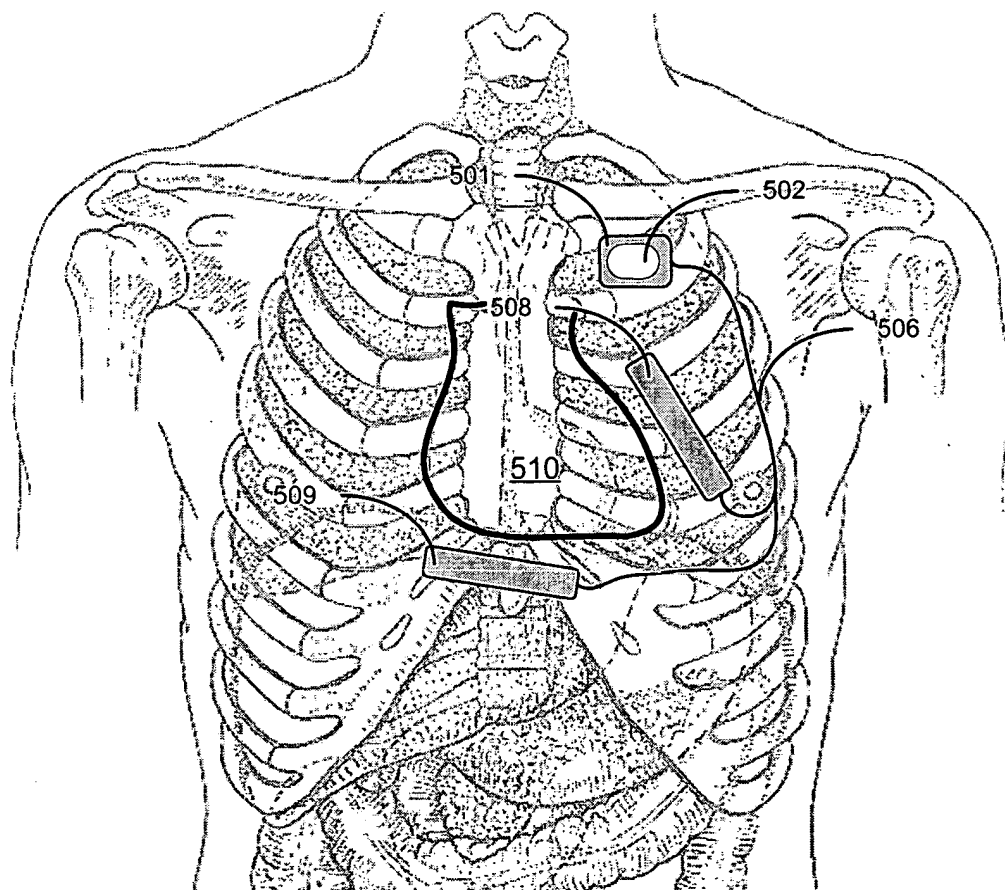


Figure 3A

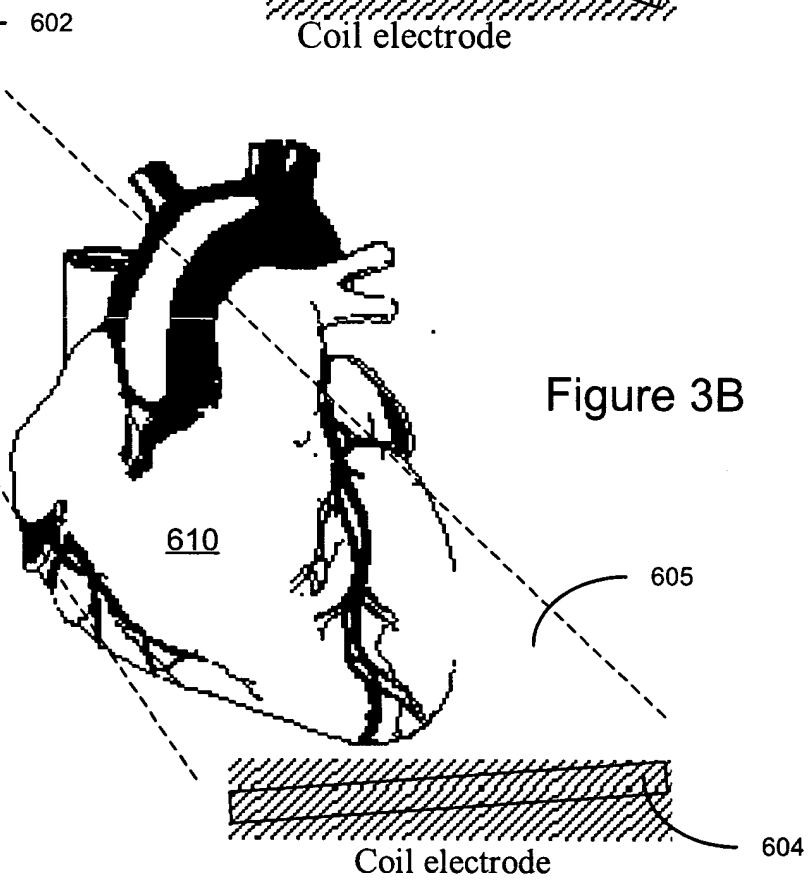
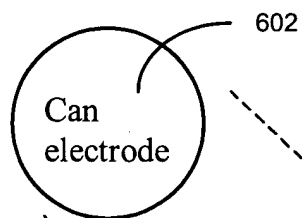
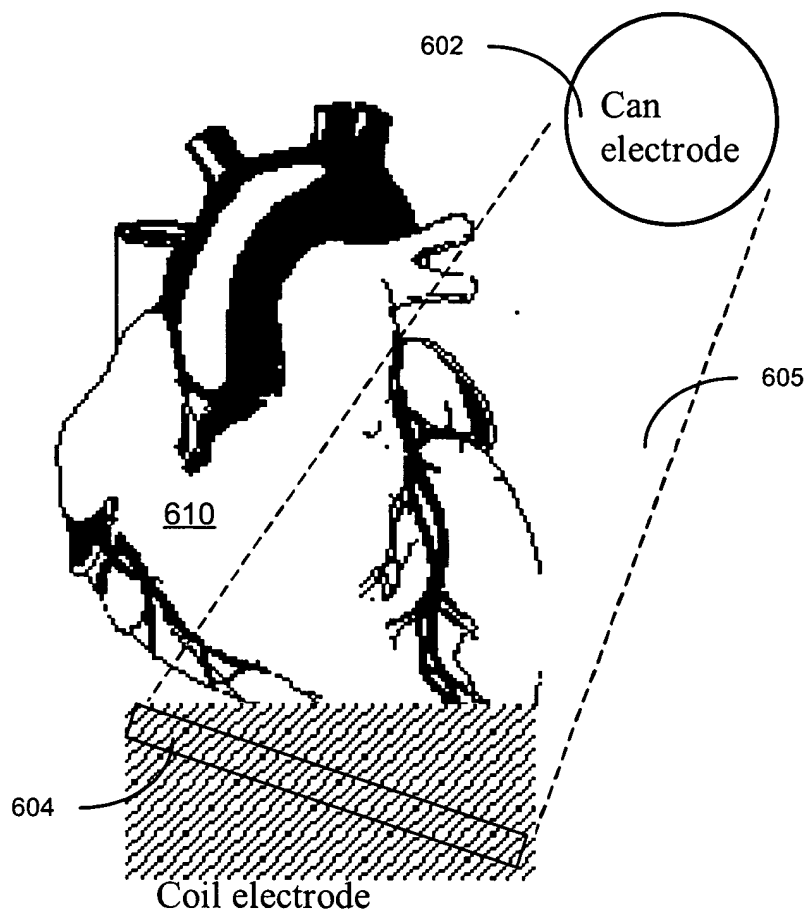


Figure 3B



Figure 3C

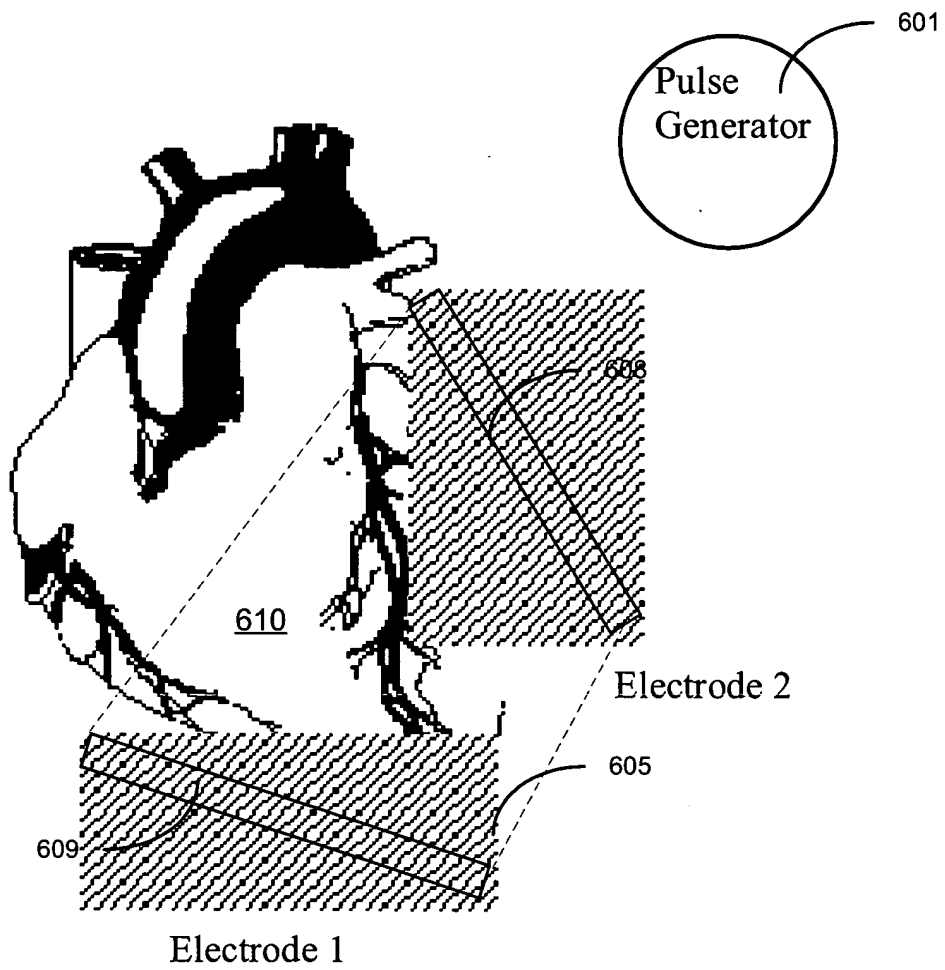
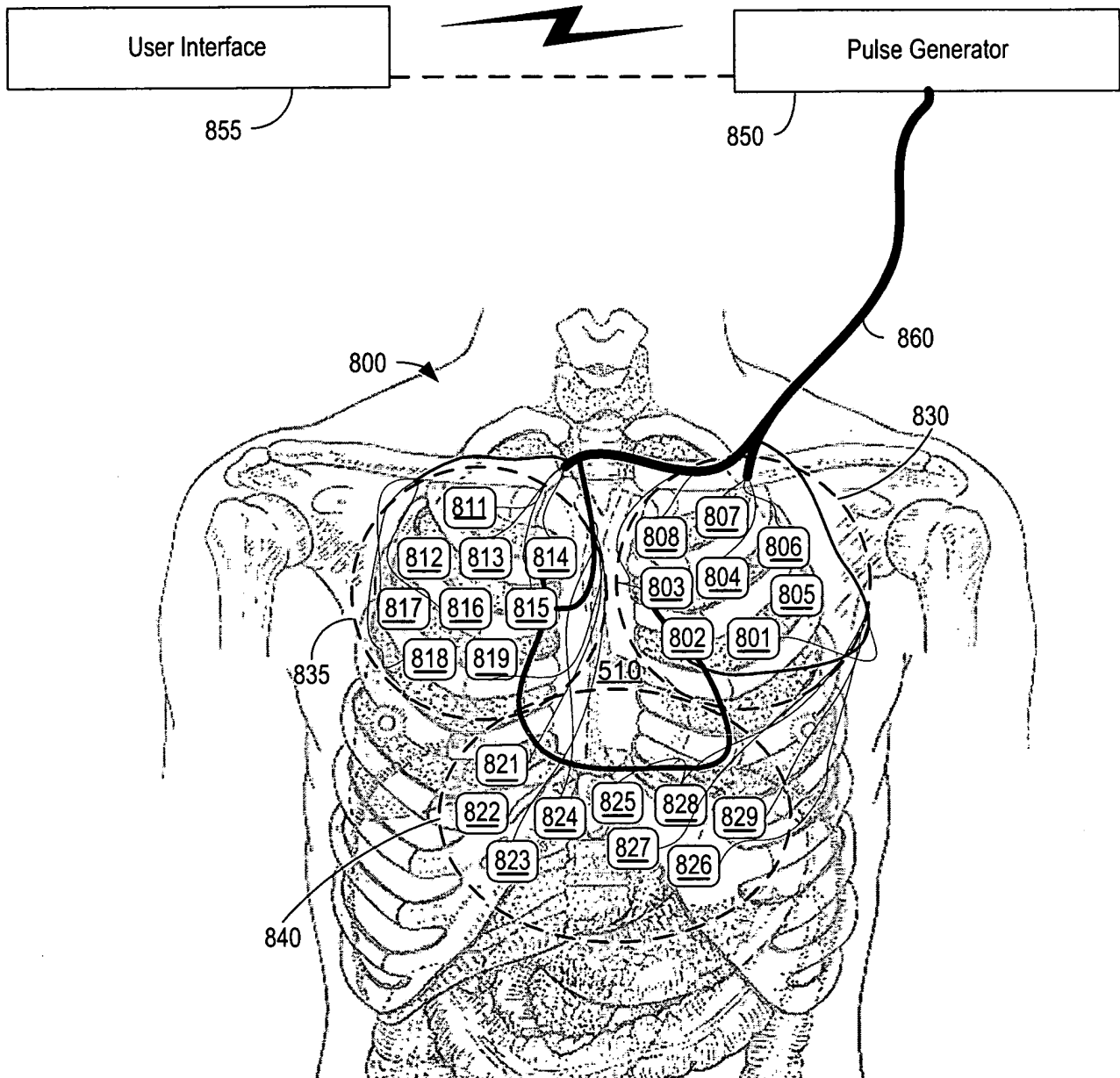


Figure 3D



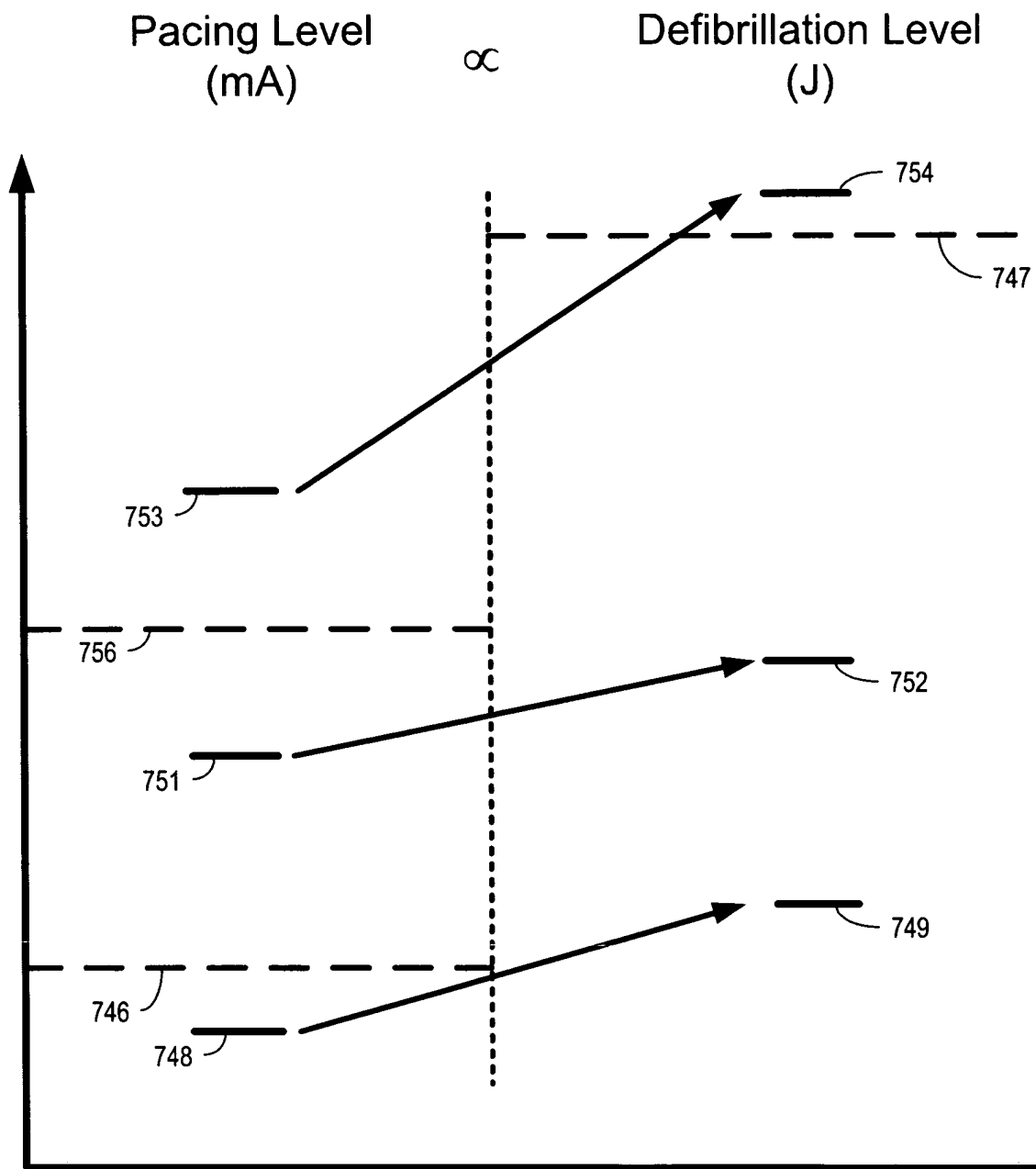


Fig. 4A

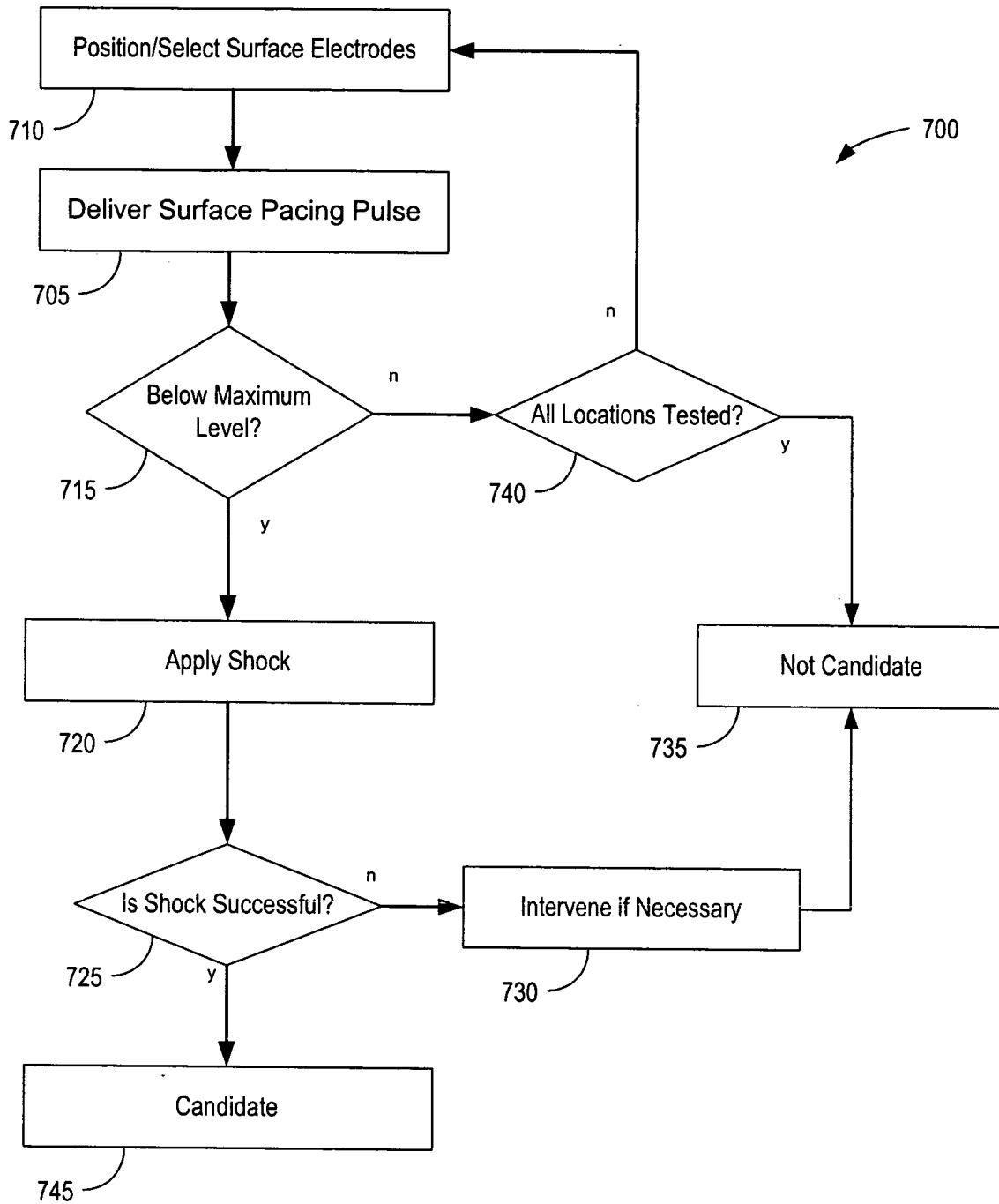


Fig. 4B

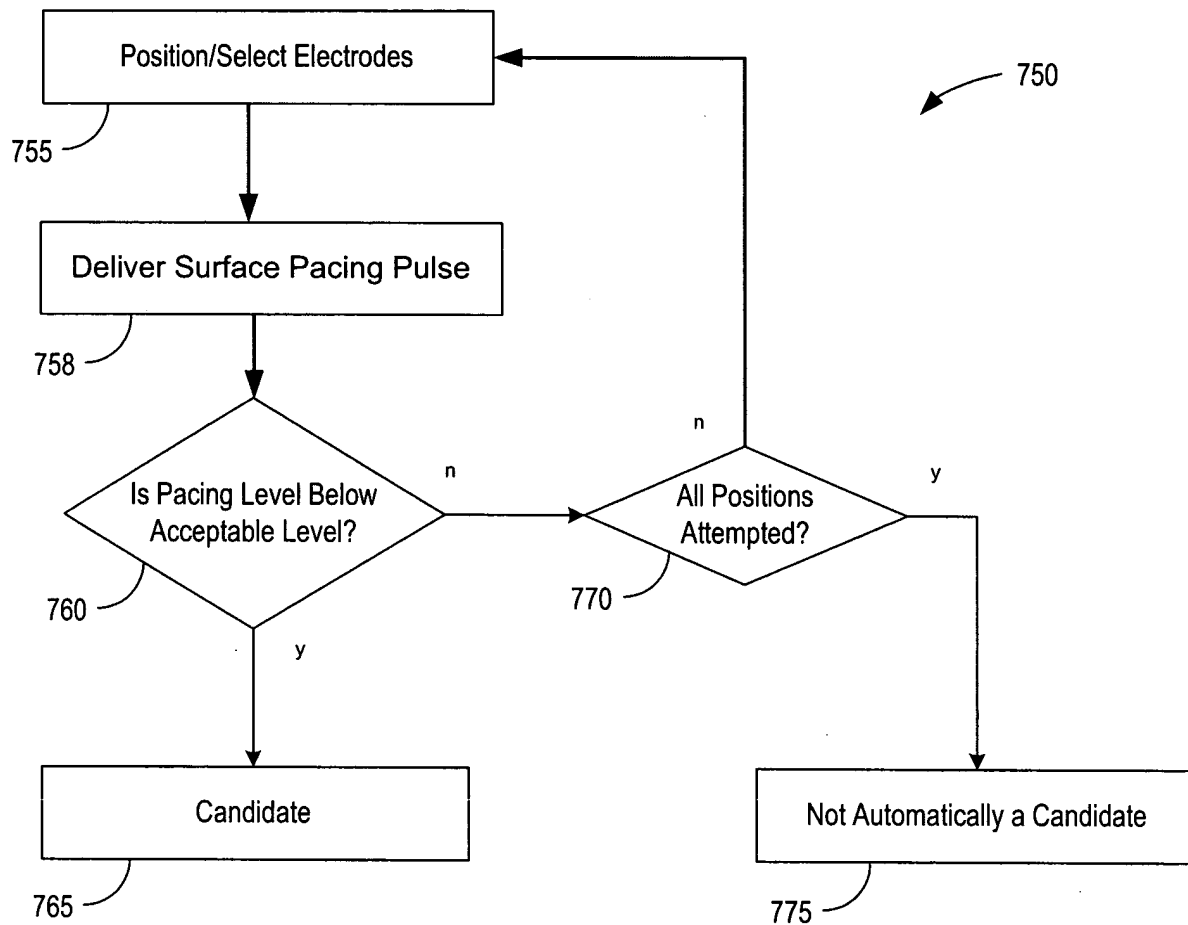


Fig. 4C

Fig. 5A

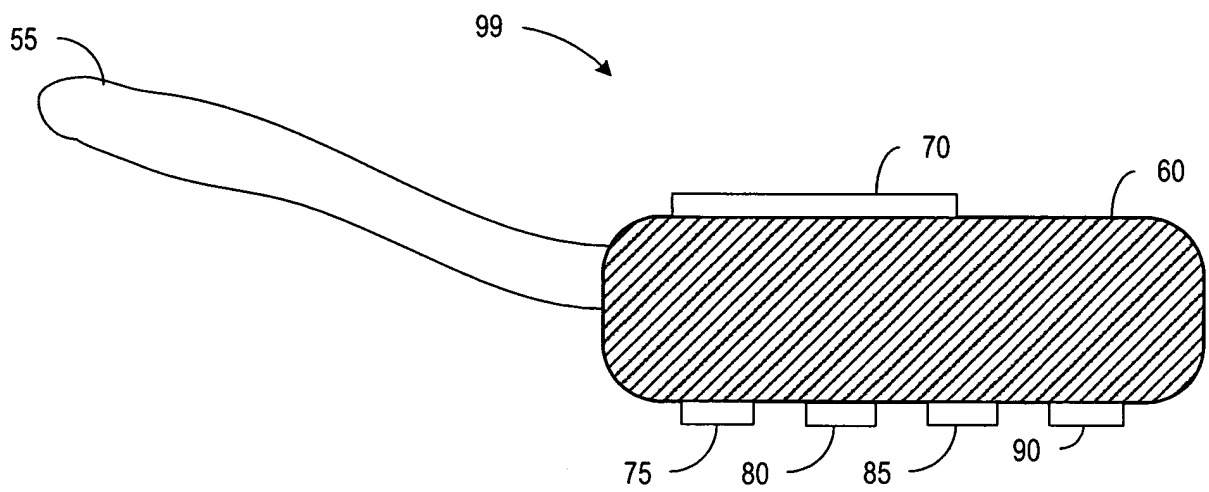


Fig. 5B

